



Hydro-Check
SYSTEMS, INC.

5931 Sea Lion Pl.
Suite 100
Carlsbad, CA 92010
P: 760-930-1924
F: 760-930-1934
www.hydrocheck.com

Water Quality Instrumentation
Conductivity • %Rejection • TDS • Resistivity

CM-18 Calibration Module Instructions and Certification

Certification:

The CM-18 is an 18.00 megohm calibration module simulating a CS10S resistivity sensor with a cell constant of 0.05. The module is constructed with NIST traceable resistors with a tolerance of +/- .01% in accordance with military specification MIL-PRF-55182. *The module is factory tested and certified to simulate 18.00 megohm water +/- 0.018 megohm.*

*****PLEASE KEEP FOR YOUR RECORDS*****

Scott Brown
Operations Manager

Instructions:

Disconnect the sensor from the 414R-HP and connect the CM-18 module to pins 7-11 as indicated on the module. Apply power to the unit and allow it several minutes to stabilize. Check temperature; it should read 25°C. There is no adjustment for temperature.

Using the calibration potentiometer (R16), adjust the resistivity reading to be 18.00 megohms. The meter is constantly averaging readings. When making adjustments to the reading allow a few minutes for the reading to stabilize after each change. When getting close to the proper reading, make very small adjustments (half, quarter or eighth turns of R16). Allow meter to stabilize after each adjustment. It may take 10-15 minutes to complete an accurate calibration. Once calibration is complete, disconnect the CM-18 and reconnect the sensor.

There is no calibration required for this calibration module. It is a sealed unit.